

What the bleep do we know about methods (meets art)?

*A reasonably short narrative into
what is and what if...*

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Belgian Centre for Evidence-Based Medicine
Belgian Branch of the Dutch Cochrane Centre



The JOANNA BRIGGS
INSTITUTE



Faculty of Psychology
and Educational Sciences



Practice

Science

Policy

Barriers

(And how to remove them!)

Barriers (and how to remove them)

The fall of the Berlin wall (9 november 1989)



„Hoffnung für eine Welt ohne Mauern“ (Hope for a world without walls).

Barriers (and how to remove them)

What is!

Methodological barriers I have been able to overcome.



What if...

Methodological challenges ahead, for which the potential pathways already exist in my imagination.



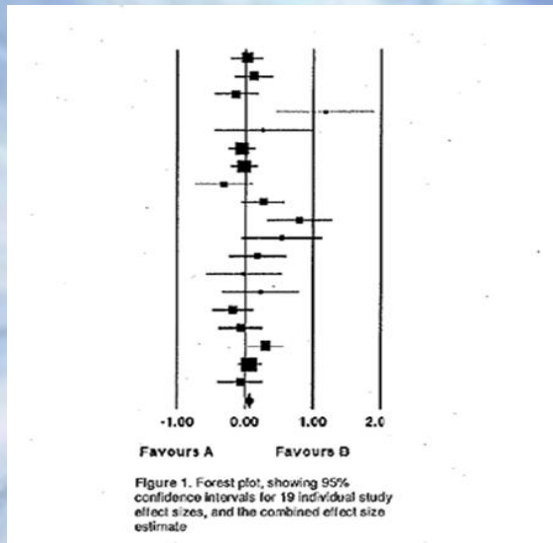
Storyline one: what is

CEBAM

Belgian Centre for Evidence-Based Medicine
Belgian Branch of the Dutch Cochrane Centre

Your partner in:

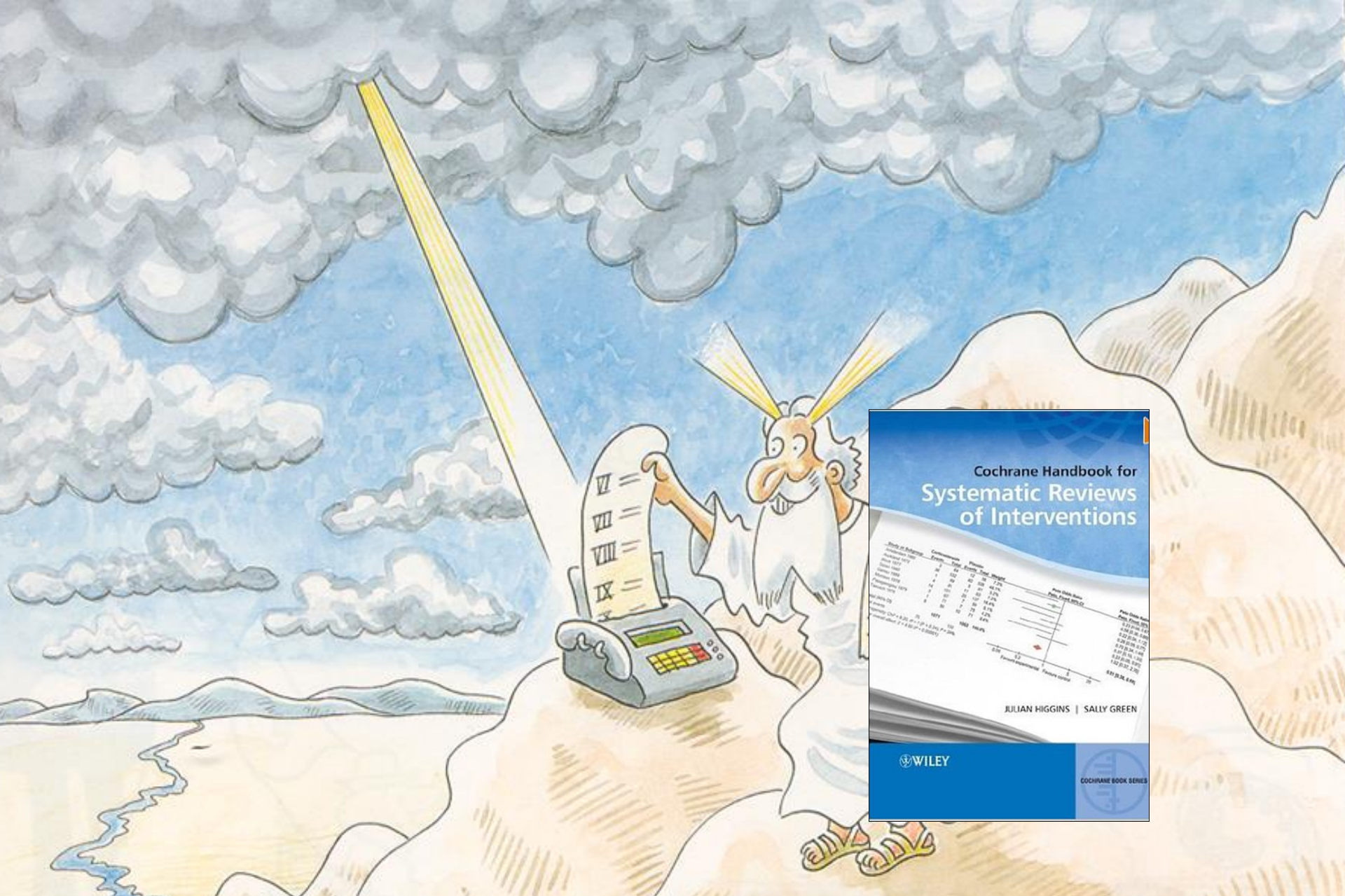
1. Teaching and promoting evidence-based practice
2. Developing systematic reviews
3. Validating clinical practice guidelines
4. Providing access to evidence



Systematic
review

Meta-
analysis

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.



The ten commandments of Evidence-based Practice (CRAP writing group, 2002)

SANTIAGO



1. Thou shalt treat all target groups according to the EBP cookbook, (without concern for local circumstances, people's preferences, or professional judgment).

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.



2. Thou shalt honour thy computerised evidence based decision support software, humbly entering the information that it requires and faithfully adhering to its commands.

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.



3. Thou shalt put heathen basic scientists to the rack until they repent and promise henceforth to randomise all mice, materials, and molecules in their experiments.

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.



4. Thou shalt outlaw contraception to ensure that there are adequate numbers of people to randomise.

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.



5. Thou shalt ensure that all people are seen by research librarians, and that professionals are assigned to hand searching ancient topical journals.

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.



6. Thou shalt defrock any professional found engaging with a person without reference to all research published more than 45 minutes before a consultation.

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.



7. Thou shalt force to take mandatory retirement all professional experts within a maximum of 10 days of their being declared experts.



8. Thou shalt reward with a bounty any student who denounces specialists who use expressions such as “in my experience”.

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.



9. Thou shalt neither publish nor read any case reports, and punish those who blaspheme by uttering personal experiences.

The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.

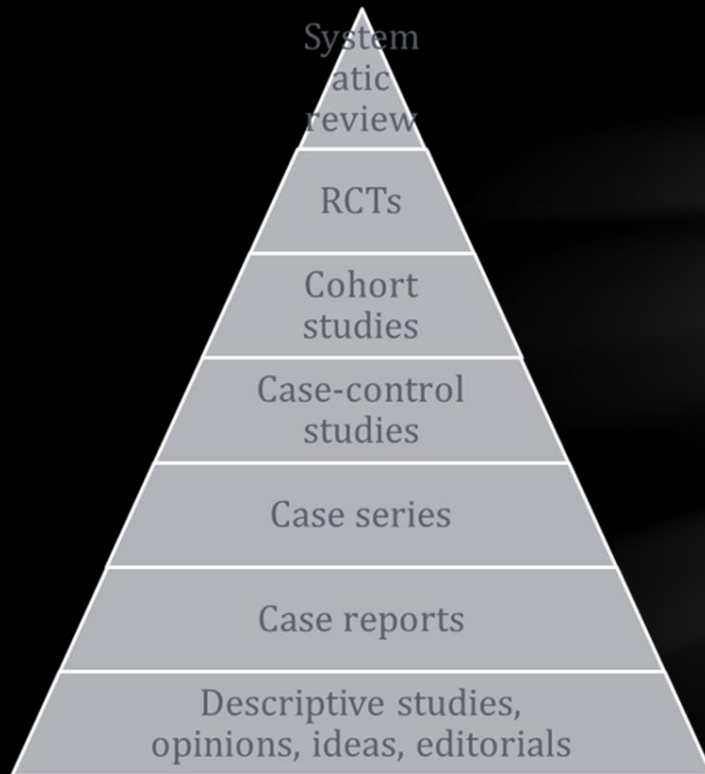


10. Thou shalt banish the unbelievers who partake in qualitative research, and force them to live among basic scientists.

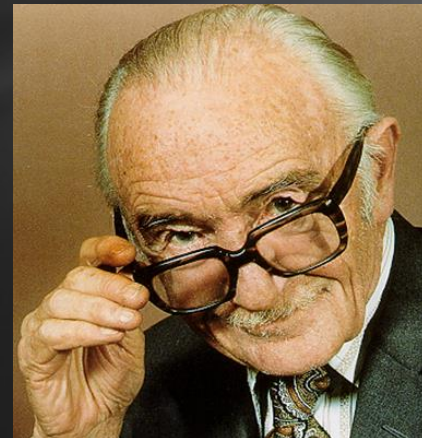


The Cochrane Collaboration: an international, non-profit organisation that produces, updates and disseminates systematic reviews (of effectiveness) in health care.

A hierarchy of evidence!



"It is surely a great criticism of our profession that we have not organised a critical summary, by specialty or subspecialty, adapted periodically, of all relevant randomised controlled trials."



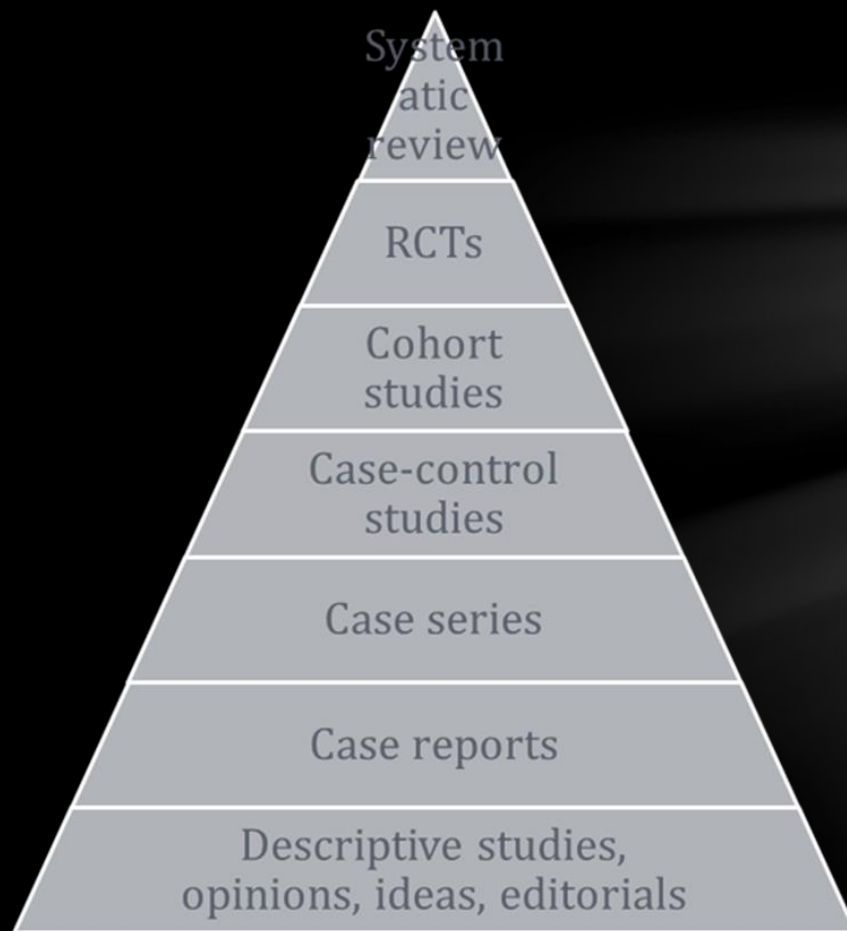
Archie Cochrane



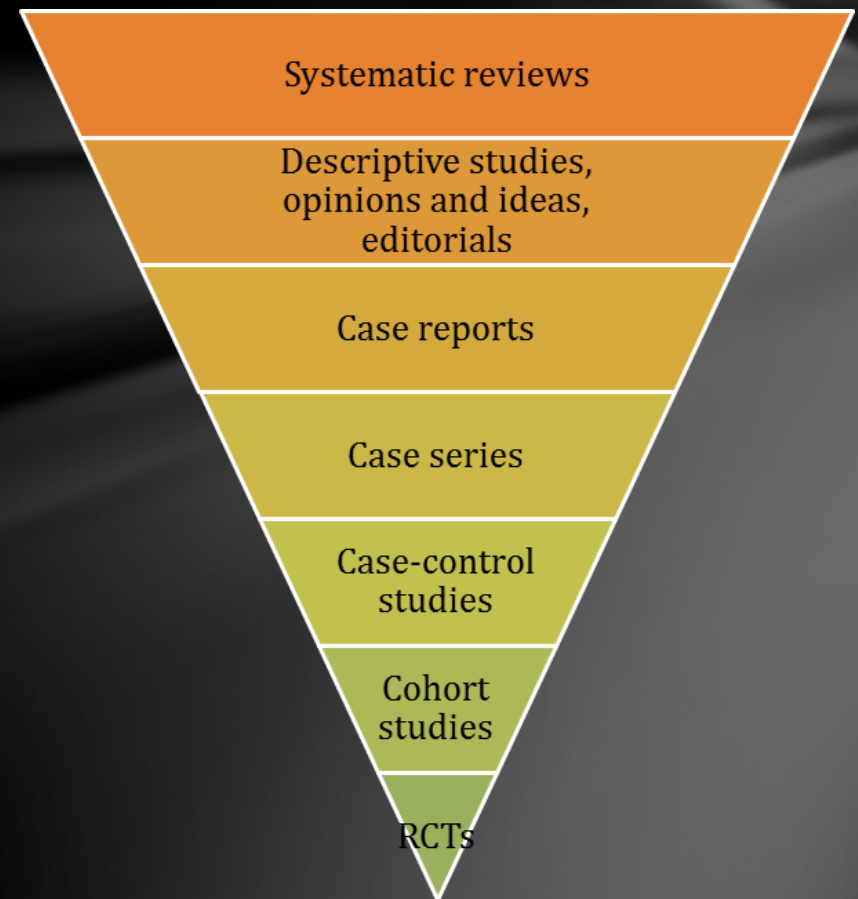
Iain Chalmers

A hierarchy of evidence?

What is the effectiveness of X?



What are the barriers towards X?



Exploring Barriers to the Implementation of Evidence-Based Practice in Psychiatry to Inform Health Policy: A Focus Group Based Study

Karin Hannes · Guido Pieters · Jo Goedhuys · Bert Aertgeerts

JAN ORIGINAL RESEARCH

Barriers to evidence-based nursing: a focus group study

Karin Hannes, Jo Vandersmissen, Liesbeth De Blaeser, Gert Peeters, Jo Goedhuys & Bert Aertgeerts

BMC Family Practice



Research article

Open Access

Implementing evidence-based medicine in general practice: a focus group based study

Karin Hannes*¹, Marcus Leys², Etienne Vermeire^{1,3}, Bert Aertgeerts^{1,4}, Frank Buntinx^{1,4} and Anne-Marie Depoorter⁵

[Obstacles to the implementation of evidence-based physiotherapy in practice: A focus group-based study in Belgium \(Flanders\)](#)

Evidence-Based Dentistry

Obstacles to Implementing Evidence-Based Dentistry: A Focus Group-Based Study

Karin Hannes, M.Sc.; David Norré, M.D.; Jo Goedhuys, Ph.D.; Ignace Naert, M.D., Ph.D.; Bert Aertgeerts, M.D., Ph.D.

Chapter 20: Qualitative research and Cochrane reviews

Authors: Jane Noyes, Jennie Popay, Alan Pearson, Karin Hannes and Andrew Booth on behalf of the Cochrane Qualitative Research Methods Group.

Qualitative research and intervention reviews

Aggregation



Configuration



Honestly stolen from Gough and colleagues (2012)

Qualitative research and intervention reviews



Four ways in which qualitative research can contribute to Cochrane Intervention reviews;

- 1. Informing reviews** by using evidence from qualitative research to help define and refine the question.
- 2. Enhancing reviews** by synthesizing evidence from qualitative research identified whilst looking for evidence of effectiveness to explore issues of implementation.
- 3. Extending reviews** by undertaking a search and synthesis specifically of evidence from qualitative studies to address questions directly related to the effectiveness review.
- 4. Supplementing reviews** by synthesizing qualitative evidence to address questions on aspects other than effectiveness.

Qualitative research and intervention reviews

Synthesizing Qualitative Research

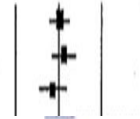
Choosing the Right Approach

KARIN HANNES & CRAIG LOCKWOOD



WILEY-BLACKWELL

BMJ Books



SUPPLEMENTING
'stand-alone'

Cochrane Qualitative and Implementation Methods Group

Supplemental Handbook Guidance

This supplemental guidance should be used in conjunction with Chapter 20 of the Cochrane Handbook. The resources listed below have yet to be approved by the Cochrane Methods Board.

[Chapter 1: Developing a protocol in REVMAN \(in development\)](#)

[Chapter 2: Question Formulation](#)

[Chapter 3: Searching](#)

[Chapter 4: Critical appraisal](#)

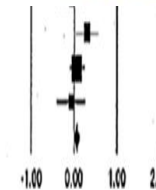
[Chapter 5: Data-extraction](#)

[Chapter 6: Synthesis](#)

Welcome

- Contacting convenors
- Supplemental Handbook Guidance
- Meetings and Minutes
- Training Events
- Training Resources
- Methodology Register
- Core Library of Qualitative Synthesis
- Resources for Conducting Qualitative Synthesis
- History, core and elective functions

Registering Titles and Developing Protocols for Qualitative and Implementation Cochrane Reviews



Favours A Favours B

Figure 1
Confidence
interval
effect size
estimate

EXTENDING
'moderators
and mediators'

INFORMING
'scoping'



ENHANCING
'implementation'

Qualitative research and intervention reviews

You can't mix apples with oranges!

Of course it's about mixing apples and oranges. In the study of fruit nothing else is sensible. Comparing apples to oranges is the only endeavor worthy of true scientists. Comparing apples to apples is trivial. (Gene Glass, 2000)

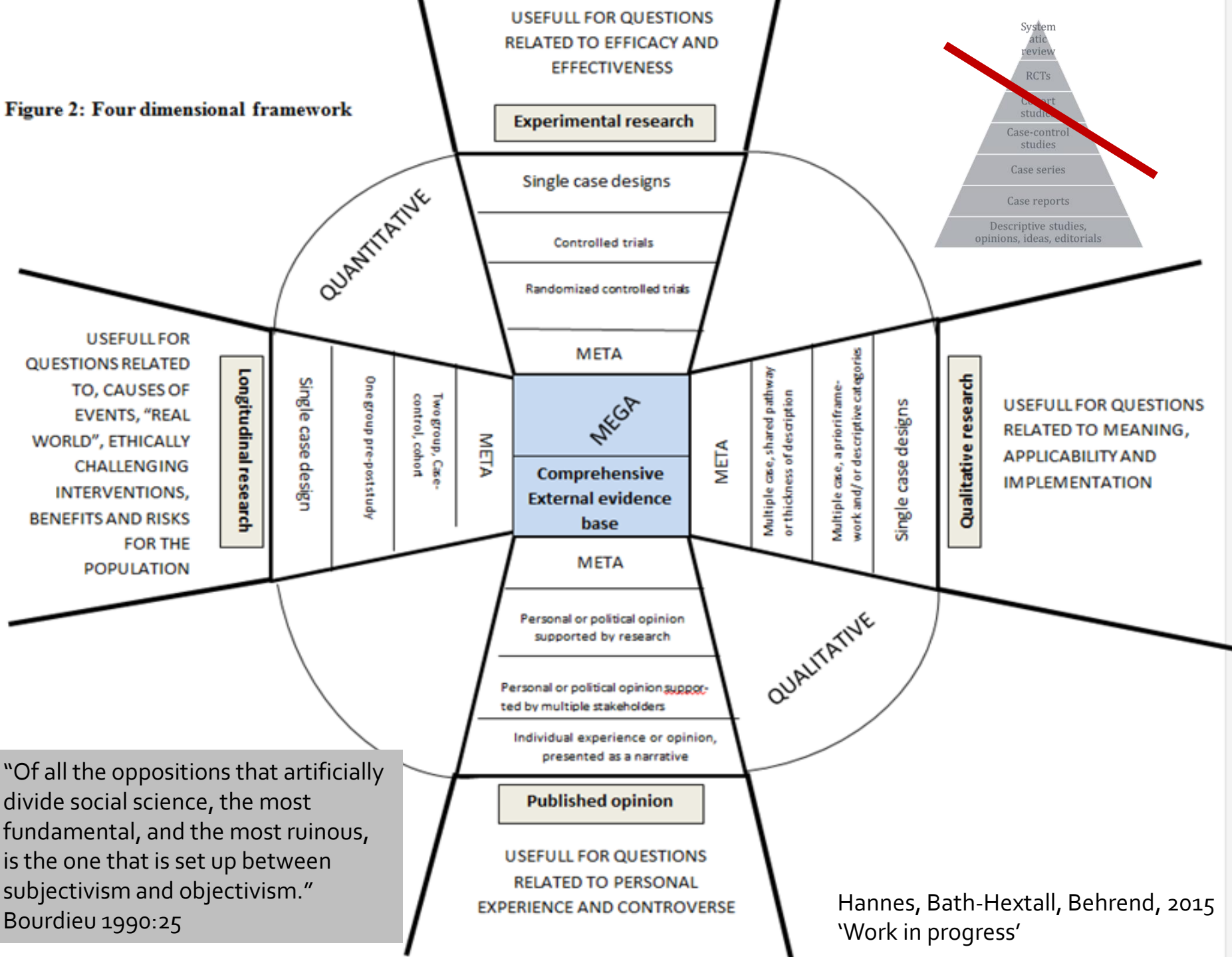


Cochrane Qualitative and Implementation Methods Group

New Milestone for Cochrane and Qualitative Systematic Reviews

Submitted by Andrew Booth on Fri, 08/11/2013 - 14:54

Figure 2: Four dimensional framework



Storyline two: what if...



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Why don't we leave what is for what it is and focus on what if... instead?



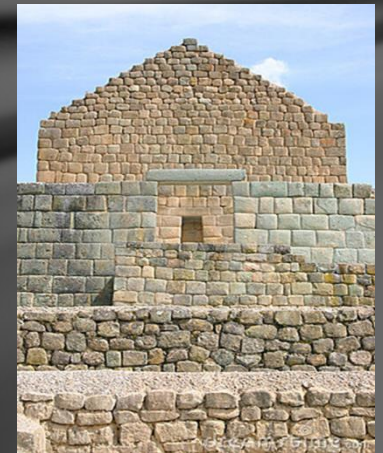
Primary studies



Accumulation



Configuration



Mixed-Method

"Science is built up of facts, as a house is built of stones; but an accumulation of facts is no more science than a heap of stones is a house." Henri Poincare (mathematician, 1854–1912)
Science and Hypothesis, 1905

Method meets art (tripping into the post-modern)

In the area of **methodology dance** has been employed to generate data and to represent research findings in a more aesthetic way (Leavy, 2009).



Calling attention to the artificiality of the rational-emotional split, which historically has dominated knowledge production (Leavy, 2009).

Ethnotheatre employs the medium of theater to tell the non-fictional stories of real people. - Johnny Saldaña



Visual art is a significant source of information about the social world, including cultural aspects of social life; economic and political structures; identity issues at the global, national, group and individual levels... (Leavy, 2009)



Surrealistic reviews

Developing a new blue print



"Contrary to prevalent misdefinitions, **surrealism** is not an aesthetic doctrine, nor a philosophical system, nor a mere literary or artistic school. It is an unrelenting revolt against a civilization that reduces all human aspirations to market values, religious impostures, universal boredom and misery."

- Franklin Rosemont, from André Breton and the First Principles of Surrealism

Surrealistic research (and arts-based methods)

Can a travel trunk be a PhD dissertation?



Daria Loi

Can we return to the original meaning of empiricism and collect data with all of our senses?

Do we need a narrative to understand the meaning of an image?



ASHLEY HAHN

Can we remove the walls from our museums and turn our environment into a cultural playground?

A challenge:

Art does not travel in truth.

Art travels in what is possible to consider.

what sort of criteria do we need to judge its quality?



What the 'bleep' do you know about methods?

A 'bleep' is a high pitched sound.
'Bleeps' are often used to cover something up,
to erase something (Free dictionary online).



The practice seems to yield at least this hard lesson: a story is not a story until it is told; it is not told until it is heard, it changes-and becomes open to the beauties and frailties of more change; or: a story is not a story until it changes (Della Pollock, 2006, p. 93).



THANK YOU!